

LEO G. NICO

Partial Curriculum Vitae and List of Publications – Aug 2006

EMPLOYMENT

United States Geological Survey
Florida Integrated Science Centers (FISC)
Nonindigenous Fishes Research Program
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CURRENT POSITION

1993-present **Research Fishery Biologist**, Nonindigenous Fishes Research Program, U.S. Geological Survey, Florida Integrated Science Center, Gainesville, FL. (Center formerly part of U.S. Fish and Wildlife Service/National Biological Service)

EDUCATION

Ph.D. Zoology, University of Florida, Gainesville, Florida, 1991. Dissertation: Trophic Ecology of Piranhas (Characidae: Serrasalminae) from Savanna and Forest Regions in the Orinoco River Basin of Venezuela.
M.Sc. Biology, Southern Illinois University, Edwardsville, Illinois, 1982. Thesis: Life History and Ecology of Orinoco Basin Annual Killifish.
B.A. Biology with Departmental Honors, Southern Illinois University, Edwardsville, Illinois, 1979.

RESEARCH INTERESTS

Distribution, ecology, natural history, and effects of nonindigenous fishes, with emphasis on introduced fishes occurring in the southeastern United States. Distribution, ecology, and systematics of Neotropical freshwater fishes.

PUBLICATIONS

Books:

Nico, L. G., J. D. Williams, and H. L. Jelks. 2005. Black Carp: Biological Synopsis and Risk Assessment of an Introduced Fish. American Fisheries Society Special Publication 32, Bethesda, Maryland. 337 p.

Fuller, P., **L. G. Nico**, and J. D. Williams. 1999. Nonindigenous fishes introduced to inland waters of the United States. American Fisheries Society Special Publication 27. American Fisheries Society, Special Publication 27, Bethesda, Maryland. 620 pp.

Other Publications:

Schofield, P. J., J. D. Williams, **L. G. Nico**, P. Fuller, and M. R. Thomas. 2005. Foreign Nonindigenous Carps and Minnows (*Cyprinidae*) in the United States—A Guide to their Identification, Distribution, and Biology. Scientific Investigations Report 2005-5041. U.S. Geological Survey, Tallahassee, Florida. 103 p. (Available online as http://fisc.er.usgs.gov/Carp_ID/index.html)

Hill, J. E., **L. G. Nico**, C. E. Cichra, and C. R. Gilbert. 2005. Prey Vulnerability to Peacock Cichlids and Largemouth Bass Based on Predator Gape Size and Prey Body Depth. Proceedings of the Southeastern Association of Fish and Wildlife Agencies 58:47-56.

Nico, L. G. 2005. Changes in the Fish Fauna of the Kissimmee River Basin, Peninsular Florida: Non-Native Additions. Pages 523-556 in J.N. Rinne, R.M. Hughes, and B. Calamusso (editors). Historical Changes in Large River Fish Assemblages of the Americas. American Fisheries Society Symposium 45, Bethesda, MD.

Nico, L. G., and A. M. Muench. 2004. Nests and nest habitats of the invasive catfish *Hoplosternum littorale* in Lake Tohopekaliga, Florida: A novel association with non-native *Hydrilla Verticillata*. Southeastern Naturalist 3(3):451-466.

Collins, T., J. Trexler, **L.G. Nico**, and T. Rawlings. 2002. Genetic diversity in a morphologically conservative invasive taxon: Multiple introductions of swamp eels to the southeastern United States. Conservation Biology 16(4):1024-1035.

Nico, L.G. 2001. Alexander von Humboldt (1769-1859): Contributions to knowledge of New World fishes. Pages 127-164 in G. Aymard (editor). Alexander von Humboldt: Homenaje al Bicentenario de su llegada a tierras Venezolanas (16 de julio-1799 al 26 de noviembre-1800). BioLlania, Special Edition No. 7 (Guanare, Venezuela).

Nico, L. G., and J. J. Herod. 2001. [review of] R. Claudi and J. H. Leach (eds.), 2000,

Nonindigenous Freshwater Organisms: Vectors, Biology, and Impacts, Lewis Publishers, Boca Raton, Florida, 464 pages. Transactions of the American Fisheries Society 130(2):347-348.

Nico, L. G., and R. T. Martin. 2001. The South American suckermouth armored catfish, *Pterygoplichthys anisitsi* (Pisces: Loricariidae) in Texas, with comments on foreign fish introductions in the American Southwest. Southwestern Naturalist 46(1):98-104.

Nico, L. G., and P. Fuller. 1999. Spatial and temporal patterns of nonindigenous fish introductions in the United States. Fisheries 24(1):16-27.

Frederick, P. C., M. G. Spalding, M. S. Sepulveda, G. E. Williams, **L. G. Nico**, and R. Robins. 1999. Exposure of great egret (*Ardea albus*) nestlings to mercury through diet in the Everglades ecosystem. Environmental Toxicology and Chemistry 18(9):1940-1947.

Retzer, M., **L. G. Nico**, and F. Provenzano. 1999. Two new species of *Acestridium* (Siluriformes: Loricariidae) from southern Venezuela, with observations on camouflage and color change. Ichthyological Exploration of Freshwaters 10(4):313-326.

Soares-Port, L. M., S. J. Walsh, **L. G. Nico** and J. M. Netto. 1999. A new species of *Gelanoglanis* from the Orinoco and Amazon river basins, with comments on miniaturization within the genus (Siluriformes: Auchenipteridae: Centromochlinae). Ichthyological Exploration of Freshwaters 10(1):63-72.

Nico, L. G., S. J. Walsh, and R. H. Robins. 1996. An introduced population of the South American callichthyid catfish *Hoplosternum littorale* in the Indian River Lagoon system, Florida. Florida Scientist 59:189-200.

Nico, L. G., and M. C. C. de Pinna. 1996. Confirmation of *Glanapteryx anguilla* (Siluriformes, Trichomycteridae) in the Orinoco River basin of Venezuela, with notes on the habitats of the Glanapteryginae. Ichthyological Exploration of Freshwaters 7(1):27-32.

Nico, L. G., D. J. Schaeffer, D. C. Taphorn, and A. Barbarino-Duque. 1994. Agricultural chemical screening and detection of chlorpyrifos in fishes from the Apure drainage, Venezuela. Fresenius Environmental Bulletin 3:685-690.

Nico, L. G., and D. C. Taphorn. 1994. Mercury in fish from gold mining regions in the upper Cuyuni River system, Venezuela. Fresenius Environmental Bulletin 3:287-292.

Nico, L. G. and M. Morales. 1994. Nutrient values of piranha (Characidae: Serrasalminae) food items. Copeia 1994(2):524-528.

Isbrücker, I. J., H. Nijssen, and **L. G. Nico**. 1992. *Leporacanthicus triactis*, a new loricariid fish

from upper Orinoco River tributaries in Venezuela and Colombia (Pisces, Siluriformes, Loricariidae) (in German). Die Aquarien- und Terrarienzeitschrift (DATZ) 46(1):30-34.

Thomerson, J. E., **L. G. Nico**, and D. C. Taphorn. 1992. *Rivulus tecmina*, a new killifish from Amazonas Territory, Venezuela (Rivulidae, Cyprinodontiformes). Ichthyological Exploration of Freshwaters 2(4): 289-296.

Thomerson, J. E., **L. G. Nico**, and D. C. Taphorn. 1991. *Rivulus immaculatus*, a new killifish from Venezuela (Cyprinodontiformes, Rivulidae). Copeia 1991(2): 323-328.

Nico, L. G. 1991. Fishes of the night. Part 1. The electric eel. Tropical Fish Hobbyist 39 (January): 12-14,17,20,22.

Nico, L. G. 1991. Fishes of the night. Part 2. The weakly electric gymnotoids. Tropical Fish Hobbyist 39 (February): 10,13-18.

Nico, L. G. 1990. Feeding chronology of juvenile piranhas, *Pygocentrus notatus*, in the Venezuelan llanos. Environmental Biology of Fishes 29: 51-57.

Thomerson, J. E., D. C. Taphorn, and **L. G. Nico**. 1990. Distribution of annual fishes (Pisces-Rivulidae) in the Rio Unare basin, Venezuela (in Spanish). BioLlania 7: 33-38.

Nico, L. G., and J. E. Thomerson. 1989. Ecology, food habits and spatial interactions of Orinoco Basin annual killifish. Acta. Biol. Venez. 12(3-4): 106-120.

Nico, L. G. 1989. Geographic distribution: *Siren intermedia nettingi*. SSAR Herpetological Review 20(1): 11.

Nico, L. G., and D. C. Taphorn. 1988. Food habits of piranhas in the low llanos of Venezuela. BioTropica 20(4): 311-321.

Nico, L. G., D. C. Taphorn and J. E. Thomerson. 1987. Limnological data on the habitat of annual fishes (Cyprinodontidae) in the Venezuelan Llanos with a key to fish identification. BioLlania 5: 129-144. (In Spanish.)

Nico, L. G., and D. C. Taphorn. 1986. Those bitin' fish from South America. Tropical Fish Hobbyist 34 (4): 24-27,30-34,36,40-41,56-57.

Nico, L. G., and D. C. Taphorn. 1985. Diet of *Acestrorhynchus microlepis* (Pisces: Characidae) in the low llanos of Venezuela. Copeia 1985(3): 794-796.

Nico, L. G., and D. C. Taphorn. 1984. Limnology of Orinoco Basin annual killifish pools. J. Am. Killifish Assn. Tech. Paper. 24: 3-16.

Nico, L. G., and D. C. Taphorn. 1984. [Biology of the tropical drum, *Plagioscion squamosissimus*, in the "Fernando Corrales" module of UNELLEZ, Apure State](#). Revista UNELLEZ de Ciencia y Tecnologia. No. 2, pp. 31-39. (In Spanish.)

UNPUBLISHED REPORTS (partial list):

Nico, L.G. 1981. [Avian ecological investigation of Kaskaskia River Fish and Wildlife Area](#). Department of Biological Sciences, Southern Illinois University, Edwardsville. Final report submitted to Illinois Department of Conservation. i-iii + 72 pp.

Nico, L.G. 1983. [Avian ecological investigation of the Horseshoe Lake Recreation Area](#). Department of Biological Sciences, Southern Illinois University, Edwardsville. Final report submitted to Illinois Department of Conservation. i-iv + 80 p + 4 appendices.